

ABSTRACT

An electronic projector capable of saving and displaying a user-defined logo is provided. The electronic projector receives video signals from an image source device, such as a computer, a DVD, or a television for projecting the video signals onto a screen. The video signals from the image source device are converted to digital signals and then temporarily saved in a display buffer to speed up the display rate. The user-defined logo can be designed by a graphics application program or by freezing a static image from the video signals. After converting to digital signals, the user-defined logo is then saved in a non-volatile memory. A data access controller controls the display and update of the user-defined logo. When the user-defined logo is to be updated, the new user-defined logo is saved in the non-volatile memory to overwrite the previous logo. On the other hand, when the user-defined logo is to be displayed, the user-defined logo is copied from the non-volatile memory and then saved in the frame buffer to speed up the display rate. Eventually, with the logo update mechanism, the electronic projector can easily update and display a user-defined logo.

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